



DR. B.R. AMBEDKAR NATIONAL LAW UNIVERSITY, SONEPAT

(Established by the under Haryana State Legislature Act No. 15 of 2012)

No: DBRANLU/IT/2024/163

Dated: 06.09.2024

Notice for Inviting Quotation

Offline/Online quotations are invited in the office of Registrar for the purpose of Designing, Development and Maintenance of new website of the University.

The requirements, specifications, term and conditions which must be included in the website are described hereunder (Annexure – I). Further, other add-ons can be made and the cost (depending on the future requirement) to include, the same would be decided through mutual agreement between two parties.

Note:

- **Time period for submission of quotations is up-to 17.09.2024.**
- **Consolidated price (including all taxes) be mentioned in the quotation**
- **Quotations to be submitted in favor of Registrar DBRANLU at either of the following:**
 - **Address:** The Registrar, Dr. B. R. Ambedkar National Law University, Plot No. 5, Rajiv Gandhi Education City, Rai, Sonapat, Haryana, PIN-131021.
 - **E-mail ID:** registrar@dbranlu.ac.in
- **Quotation must include response to Point No. 5 (Project Timeline) of Annexure-I .**

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Dr. Madhukar Sharma
Head (I.T.-Cell)
DBRANLU, Sonapat



Annexure-I

Project Proposal: University Website and Admin Panel

1. Introduction

This proposal outlines the development of a new website for the university and an accompanying admin panel. The aim is to provide an engaging, user-friendly online presence for the university, facilitating information access for students, faculty, and visitors while also enabling efficient administrative management.

2. Objectives

- **User-friendly Interface:** Develop a visually appealing, intuitive website that enhances the user experience.
- **Comprehensive Information Access:** Provide easy access to university information, including courses, events, news, and resources.
- **Interactive Features:** Integrate features such as online application forms, event calendars, and news.
- **Responsive Design:** Ensure the website is fully responsive and accessible on all devices.
- **Admin Panel:** Develop a robust admin panel to manage website content, user accounts, and administrative tasks.

3. Scope of Work

3.1 Website Development

- **Homepage:** Attractive design with navigation to key sections.
- **About Us:** Information about the university's history, mission, and values.
- **Administration**
- **DBRANLU Team**
- **Academics:** Detailed information about courses, departments, and faculty.
- **Student Corner**
- **Infrastructure**



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- **Library**
- **Examination Notices**
- **Admissions:** Online application forms, admission requirements, and deadlines.
- **News & Events:** Updates, announcements, and an event calendar.
- **Resources:** Access to the library, research resources, and support services.
- **Contact Us:** Contact information and inquiry forms.

3.2 Admin Panel Development

- **User Management:** Admin can create, update, and delete user accounts with varying roles (students, faculty, staff).
- **Content Management:** Admin can add, edit, and delete website content, including news, events, and course information.
- **Security:** Implement robust security measures to protect sensitive data.

4. Technologies

- **Node.js:** To develop the APIs.
- **Next.js with Bootstrap:** For frontend and admin panel.
- **MongoDB:** For storing information and content.
- **Firebase:** For storing files (images and other documents).

5. Project Timeline

Phase 1: Planning and Design

- Requirement gathering and analysis
- Design website and admin panel mockups
- Finalize project plan and timeline

Phase 2: Development

- Frontend development (website)



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- Backend development (admin panel)
- Integration of interactive features
- Initial testing and quality assurance

Phase 3: Testing and Launch

- Comprehensive testing (functionality, usability, security)
- Bug fixing and final adjustments
- Launch the website and admin panel

Phase 4: Post-Launch Support

- Monitoring and maintenance
- Regular updates and improvements
- User support and training

6. Risk Management

- **Timeline Delays:** Mitigate by setting realistic deadlines and regular progress reviews.
- **Technical Issues:** Conduct thorough testing and have a contingency plan in place.
- **Data Security:** Implement strong security protocols and regular audits.

7. Deliverables:

- Develop a highly usable, scalable, and customizable dynamic website with the latest design patterns, allowing viewers to easily find related information.
- Migrate existing content to the new website, incorporating various specific needs of the department into the overall design.
- Develop a highly advanced CMS with a multistage workflow for content creation/updation, homepage/subpages layout customization with no code, automatic archival of contents, dashboard showing revision history, visitor statistics, performance parameters, page archival status, notification statistics, etc., customizable MIS reports, audit logs, and performance monitoring.



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- Ensure the intended website is responsive, printer-friendly, and IPv6 compliant with advanced search features.
- Content designing and editing shall be in the scope of DBRANLU.
- Website layout, navigation, accessibility, usability, etc., should be based on the latest standards and best practices.
- SEO (Search Engine Optimization) should ensure a high rank on web searches, and all relevant techniques for SEO must be adopted.
- Compliance with GIGW 3.0 (Guidelines for Indian Government Websites) and OWASP (Open Web Application Security Project) frameworks must be observed.
- Ensure the website functions well in all standard internet browsers and screen sizes.
- Create user manuals/SOPs and other applicable documents for the project executed.
- Provide data backup and data dumps whenever required by the university.
- Prepare cloud VMs for deployment/hosting of the developed website. Server/Hosting will be from DBRANLU University.
- Implement an SSL certificate on the VM.

8. One Year AMC of the Website Post-Completion and Deployment:

The services provided as part of the AMC/operations/maintenance include:

- Maintenance of the required pages
- Regular refurbishment of the website
- Fine-tuning of website performance
- Cybersecurity audits from time to time
- Monthly web analysis and progress reports
- Page-wise hit rate with regard to languages
- Train in-house staff of the department for the website's updates

9. AMC of the Website Post-Completion of 1 year AMC Support

Cost of the AMC after the completion of the post 1 year AMC support period must be mentioned in the quotation